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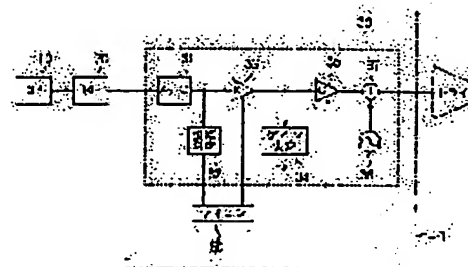
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(54) AUTOMATIC TRACKING SERVO GAIN CONTROL CIRCUIT AND ITS METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To enable the gain control by setting a tracking error signal into a servo even when the level of its initial signal is low.

SOLUTION: First of all, before the tracking servo is turned on, an amplitude (e) of the tracking error signal obtained via an optical pickup 10, an RF processing circuit 20 and an A/D converter 31 is measured by an amplitude measuring part 32. Based on this amplitude (e), a 1st gain K of a coefft. multiplier 33 is adjusted by a microcomputer 50 in order to enable its tracking error signal to have a level at least to an extent for setting the servo. Then, the tracking servo is turned on, and under the tracking servo state, disturbance is impressed upon a head from a disturbance impressing part 36 to move the head, and for a tracking error signal attending upon this movement a gain is measured by a gain measuring part 34, and based on this measured gain, a suitable gain is set in a gain control amplifier 35.



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